



February 8, 2011

Washington State Department of Ecology  
Southwest Regional Office  
PO Box 47775  
Olympia, WA 98504



**RE: NPDES # WA-002666-2, MONTHLY REPORT, JANUARY 2011, ELWHA  
WATER TREATMENT PLANT**

Attn: NPDES Data Entry Team

Enclosed is a copy of the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA) for the month of January 2011. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. A copy has been submitted to the Washington DOE. Signed originals of the DMR have been submitted to Region 10 EPA.

In addition to the monthly DMR for January 2011, an annual Receiving Water Monitoring Report is being submitted for 2010. The attached report covers the period from April 2010, when Veolia Water commenced operating the facility, through December 2010.

Please contact me if there are any questions or comments regarding the enclosed forms.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Michael S. Greene'.

Michael S Greene  
District Manager

CC: Richard Bauman, BOR  
Paul Rothgery, NPS  
Jeff Bohman, NPS  
Chris Lewis, NPS

Enclosures:

1. DMR, January 2011, EPA Form 3320-1 (4 pages)
2. 2010 Receiving Water Monitoring Report

PERMITTEE NAME/ADDRESS  
(Include Facility Name/Location if different)

US Department of Interior  
NAME Bureau of Reclamation  
ADDRESS 826 East Front Street, Suite A  
Port Angeles WA 98362-3613

FACILITY Elwha Water Treatment Plant

LOCATION Elwha River/ Lat: 48° 10' 10" N/Long: 123° 33' 7" W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

(2-16)

WA-002666-2

PERMIT NUMBER

(17-19)

001

DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

| MONITORING PERIOD |         |         |         |    |         |         |         |
|-------------------|---------|---------|---------|----|---------|---------|---------|
| FROM              | YEAR    | MO      | DAY     | TO | YEAR    | MO      | DAY     |
|                   | 2011    | 01      | 01      |    | 2011    | 01      | 31      |
|                   | (20-21) | (22-23) | (24-25) |    | (26-27) | (28-29) | (30-31) |

\*\*\*\*\* NO DISCHARGE [ X ] \*\*\*\*\*

| PARAMETER<br>(32-37)   |                    | (3 Card Only) QUANTITY OR LOADING  |               |         | (4 Card Only) QUALITY OR CONCENTRATION |                 |               |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68)                       | SAMPLE<br>TYPE<br>(69-70) |           |        |             |
|--|--------------------|--|---------------|---------|--|-----------------|---------------|-------|----------------------|--|---------------------------|-----------|--------|-------------|
|  |                    | (46-53)  |               | (54-61) | (38-45)                                |                 | (46-53)       |       |                      |  |                           |           |        |             |
|  |                    | AVERAGE MONTHLY  | MAXIMUM DAILY | UNITS   | MINIMUM                                | AVERAGE MONTHLY | MAXIMUM DAILY | UNITS |                      |  |                           |           |        |             |
| Flow   | SAMPLE MEASUREMENT |  |               |         | *****                                  | *****           | *****         |       | 0                    |  |                           |           |        |             |
| Influent   | PERMIT REQUIREMENT | Report   | Report        | CFS     |  |                 |               |       |                      | Continuous   | Recording                 |           |        |             |
| Flow   | SAMPLE MEASUREMENT |  |               |         | *****                                  | *****           | *****         |       | 0                    |  |                           |           |        |             |
| Effluent   | PERMIT REQUIREMENT | Report   | Report        | CFS     |  |                 |               |       |                      | Continuous   | Recording                 |           |        |             |
| Turbidity  | SAMPLE MEASUREMENT | *****  | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |           |        |             |
| Influent   | PERMIT REQUIREMENT |  |               |         |  | Report          | Report        | NTU   |                      | Continuous   | Recording                 |           |        |             |
| pH   | SAMPLE MEASUREMENT | *****  | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |           |        |             |
| Influent   | PERMIT REQUIREMENT |  |               |         |  | 6.5 - 8.5       | 8.5           | s.u.  |                      | 5/ week  | Grab                      |           |        |             |
| pH   | SAMPLE MEASUREMENT | *****  | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |           |        |             |
| Effluent   | PERMIT REQUIREMENT |  |               |         |  | 6.5 - 8.5       | 8.5           | s.u.  |                      | 5/ week  | Grab                      |           |        |             |
| Temperature  | SAMPLE MEASUREMENT | *****  | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |           |        |             |
| Influent   | PERMIT REQUIREMENT |  |               |         |  | Report          | Report        | °C    |                      | 5/Week   | Grab                      |           |        |             |
| Temperature  | SAMPLE MEASUREMENT | *****  | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |           |        |             |
| Influent   | PERMIT REQUIREMENT |  |               |         |  | Report          | Report        |       |                      | 5/Week   | Grab                      |           |        |             |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER   |                    | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY |               |         |  |                 |               |       |                      | TELEPHONE  |                           | DATE      |        |             |
| Michael S Greene, PE<br>Project/Plant Manager, Veolia Water N.<br>America Operating Services |                    |  |               |         |  |                 |               |       |                      | 360  | 417-1180                  | 2011      | 02     | 08          |
| TYPED OR PRINTED   |                    | KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.   |               |         |  |                 |               |       |                      | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |                           | AREA CODE | NUMBER | YEAR MO DAY |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The Elwha River WTP (Sedimentation) is currently in a "mothball" or stand-by operating mode. It is operated on an intermittent basis for commissioning and equipment exercise. There were no slurry discharges from 001.

Computer Reproduction EPA Form 3320-1

Page 1 of 4

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2/18/11



PERMITTEE NAME/ADDRESS  
(Include Facility Name/Location if different)

NAME US Department of Interior  
Bureau of Reclamation  
ADDRESS 826 East Front Street, Suite A  
Port Angeles WA 98362-3613

FACILITY Elwha Water Treatment Plant  
LOCATION Elwha River/ Lat: 48° 10' 10" N/Long: 123° 33' 7" W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

(2-16)  
WA-002666-2  
PERMIT NUMBER

(17-19)  
001  
DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

| MONITORING PERIOD |         |         |         |    |         |         |         |
|-------------------|---------|---------|---------|----|---------|---------|---------|
| FROM              | YEAR    | MO      | DAY     | TO | YEAR    | MO      | DAY     |
|                   | 2011    | 01      | 01      |    | 2011    | 01      | 31      |
|                   | (20-21) | (22-23) | (24-25) |    | (26-27) | (28-29) | (30-31) |

\*\*\*\*\* NO DISCHARGE [ X ] \*\*\*\*\*

| PARAMETER<br>(32-37)                      |                    | (3 Card Only) QUANTITY OR LOADING |                          |             | (4 Card Only) QUALITY OR CONCENTRATION |                            |                          |          | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|---|--------------------|-----------------------------------|--------------------------|-------------|--|----------------------------|--------------------------|----------|----------------------|--|---------------------------|
|   |                    | (46-53)<br>AVERAGE MONTHLY        | (54-61)<br>MAXIMUM DAILY | UNITS       | (38-45)<br>MINIMUM                     | (46-53)<br>AVERAGE MONTHLY | (54-61)<br>MAXIMUM DAILY | UNITS    |                      |  |                           |
| Fecal Coliform                            | SAMPLE MEASUREMENT | *****                             | *****                    |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Influent                                  | PERMIT REQUIREMENT |                                   |                          |             |  | Report                     | Report                   | #/100 ml |                      | 10/Month                               | Grab                      |
| Fecal Coliform                            | SAMPLE MEASUREMENT | *****                             | *****                    |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Effluent                                  | PERMIT REQUIREMENT |                                   |                          |             |  | Report                     | Report                   | #/100 ml |                      | 10/Month                               | Grab                      |
| Total Suspended Solids Influent           | SAMPLE MEASUREMENT |                                   |                          |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Daily Average Influent Turbidity > 50 NTU | PERMIT REQUIREMENT | Report                            | See I.B.3 & I.B.4        | Lb/Day      |  | Report                     | Report                   | mg/L     |                      | Daily                                  | 24-Hr composite           |
| Total Suspended Solids Effluent           | SAMPLE MEASUREMENT |                                   |                          |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Daily Average Influent Turbidity > 50 NTU | PERMIT REQUIREMENT | Report                            | See I.B.3 & I.B.4        | Lb/Day      |  | Report                     | Report                   | mg/L     |                      | Daily                                  | 24-Hr composite           |
| Total Suspended Solids Influent           | SAMPLE MEASUREMENT |                                   |                          |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Daily Average Influent Turbidity < 50 NTU | PERMIT REQUIREMENT | Report                            | 22                       | #/CFS River |  | Report                     | Report                   | mg/L     |                      | Daily                                  | 24-Hr composite           |
| Total Suspended Solids Effluent           | SAMPLE MEASUREMENT |                                   |                          |             | *****                                  |                            |                          |          | 0                    |  |                           |
| Daily Average Influent Turbidity ≤ 50 NTU | PERMIT REQUIREMENT | Report                            | 22                       | #/CFS River |  | Report                     | Report                   | mg/L     |                      | Daily                                  | 24-Hr composite           |
| Settleable Solids Influent                | SAMPLE MEASUREMENT | *****                             | *****                    |             | *****                                  |                            |                          |          | 0                    |  |                           |
|   | PERMIT REQUIREMENT |                                   |                          |             |  | Report                     | Report                   | ml/L     |                      | 1/month                                | 24-Hr composite           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Michael S Greene, PE  
Project/Plant Manager, Veolia Water N.  
America Operating Services  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

| TELEPHONE |          | DATE |    |     |
|-----------|----------|------|----|-----|
| 360       | 417-1180 | 2011 | 02 | 08  |
| AREA CODE | NUMBER   | YEAR | MO | DAY |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**PERMITTEE NAME/ADDRESS**  
(Include Facility Name/Location if different)

**NAME** US Department of Interior  
Bureau of Reclamation  
**ADDRESS** 826 East Front Street, Suite A  
Port Angeles WA 98362-3613

**FACILITY** Elwha Water Treatment Plant  
**LOCATION** Elwha River/ Lat: 48° 10' 10" N/Long: 123° 33' 7" W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

(2-16)  
WA-002666-2  
PERMIT NUMBER

(17-19)  
001  
DISCHARGE NUMBER


**Sedimentation Plant (non-wastewater)**

| MONITORING PERIOD |         |         |         |    |         |         |         |
|-------------------|---------|---------|---------|----|---------|---------|---------|
| FROM              | YEAR    | MO      | DAY     | TO | YEAR    | MO      | DAY     |
|                   | 2011    | 01      | 01      |    | 2011    | 01      | 31      |
|                   | (20-21) | (22-23) | (24-25) |    | (26-27) | (28-29) | (30-31) |

\*\*\*\*\* NO DISCHARGE [ X ] \*\*\*\*\*

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|------------------------|--------------------|-----------------------------------|--------------------------|--------|--|----------------------------|--------------------------|----------------------|----------------------|--|---------------------------|
|                        |                    | (46-53)<br>AVERAGE MONTHLY        | (54-61)<br>MAXIMUM DAILY | UNITS  | (38-45)<br>MINIMUM                     | (46-53)<br>AVERAGE MONTHLY | (54-61)<br>MAXIMUM DAILY | UNITS                |                      |  |                           |
| Settleable Solids      | SAMPLE MEASUREMENT | *****                             | *****                    |        | *****                                  |                            |                          |                      | 0                    |  |                           |
| Effluent               | PERMIT REQUIREMENT |                                   |                          |        |  | Report                     | Report                   | ml/L                 |                      | 1/month                                | 24-Hr composite           |
| BOD <sub>5</sub>       | SAMPLE MEASUREMENT | *****                             | *****                    |        | *****                                  |                            |                          |                      | 0                    |  |                           |
| Effluent               | PERMIT REQUIREMENT |                                   |                          |        |  | Report                     | Report                   | mg/L                 |                      | 1/month                                | 24-Hr composite           |
| Alkalinity             | SAMPLE MEASUREMENT | *****                             | *****                    |        | *****                                  |                            |                          | mg/L                 | 0                    |  |                           |
| Effluent               | PERMIT REQUIREMENT |                                   |                          |        |  | Report                     | Report                   | as CaCO <sub>3</sub> |                      |  |                           |
| Total Dissolved Solids | SAMPLE MEASUREMENT | *****                             | *****                    |        | *****                                  |                            |                          |                      | 0                    |  |                           |
| Influent               | PERMIT REQUIREMENT |                                   |                          |        |  | Report                     | Report                   | mg/L                 |                      | 1/month                                | 24-Hr composite           |
| Total Dissolved Solids | SAMPLE MEASUREMENT | *****                             | *****                    |        | *****                                  |                            |                          |                      | 0                    |  |                           |
| Effluent               | PERMIT REQUIREMENT |                                   |                          |        |  | Report                     | Report                   | mg/L                 |                      | 1/month                                | 24-Hr composite           |
| Total Aluminum         | SAMPLE MEASUREMENT |                                   |                          |        |  |                            |                          |                      | 0                    |  |                           |
| Influent               | PERMIT REQUIREMENT | Report                            | Report                   | lb/Day |  | Report                     | Report                   | mg/L                 |                      | 1/month                                | 24-Hr composite           |
| Total Aluminum         | SAMPLE MEASUREMENT |                                   |                          |        | *****                                  |                            |                          |                      | 0                    |  |                           |
| Effluent               | PERMIT REQUIREMENT | Report                            | Report                   | lb/Day |  | Report                     | Report                   | mg/L                 |                      | 1/month                                | 24-Hr composite           |



|   |  |   |           |          |      |    |     |  |
|---|--|---|-----------|----------|------|----|-----|--|
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Sedimentation Plant (non-wastewater)

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
2011 01 01 2011 01 31  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\*\*\* NO DISCHARGE [ X ] \*\*\*\*\*

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|----------------------|--------------------|-----------------------------------|---------------|---------|--|-----------------|---------------|-------|----------------------|--|---------------------------|---------|
|                      |                    | (46-53)                           |               | (54-61) | (38-45)                                |                 | (46-53)       |       |                      |  |                           | (54-61) |
|                      |                    | AVERAGE MONTHLY                   | MAXIMUM DAILY | UNITS   | MINIMUM                                | AVERAGE MONTHLY | MAXIMUM DAILY | UNITS |                      |  |                           |         |
| Dissolved Oxygen     | SAMPLE MEASUREMENT | *****                             | *****         |         | *****                                  |                 |               |       | 0                    |  |                           |         |
| Influent             | PERMIT REQUIREMENT |                                   |               |         |  | Report          | Report        | mg/L  |                      | 1/Month                                | Grab                      |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | SAMPLE MEASUREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |
|                      | PERMIT REQUIREMENT |                                   |               |         |  |                 |               |       |                      |  |                           |         |

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FEB 11 2011  
U.S. EPA REGION 10  
OFFICE OF COMPLIANCE AND ENFORCEMENT

|  |   |   |           |          |      |    |     |
|--|---|---|-----------|----------|------|----|-----|
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**ANNUAL RECEIVING WATER MONITORING REPORT**

**FOR 2010**

**ELWHA RIVER WATER TREATMENT FACILITIES**

Prepared For:

United States Environmental Protection Agency  
Region 10  
1200 Sixth Avenue  
Seattle, Washington 98101

Prepared by:



VEOLIA WATER NORTH AMERICA  
OPERATING SERVICES

Mike Greene, Project Manager

Date: February 8, 2011

NPDES PERMIT #: WA-0026666-2

## **INTRODUCTION**

The following Receiving Water Monitoring Report has been prepared by Veolia Water North America (VWNA) on behalf of the Permittee, US Department of Interior, Bureau of Reclamation, with a local address of: 826 East Front St., Port Angeles Washington. This report has been prepared as a requirement of the NPDES Permit (WA-0026666-2, effective August 1, 2009) for the Elwha River Water Treatment Facilities.

## **BACKGROUND**

VWNA is currently under contract to the US National Park Service to operate and maintain the Elwha Water Facilities (EWF) located close to Port Angeles, Clallam County, Washington. The newly constructed facility is located along the Elwha River and has a physical address of 364 Crown Z Water Road, Port Angeles (Clallam County), Washington 98362.

The EWF is a water reclamation facility constructed to mitigate surface water quality impact which may result from the removal of the two Elwha River Dams upstream of the EWF.

VWNA is under contract to the national Park Service to operate and maintain the EWF. The contractual agreement began September, 2009. VWNA has been preparing the monthly Discharge Monitoring Reports, as required under the NPDES permit, since April 2010, when the construction contractor for the facility was granted Substantial Completion.

The EWF is a sedimentation plant consisting of physical and chemical coagulation, flocculation and sedimentation processes. There are no biological and/or disinfection processes employed at the facility.

To date, processing and plant runs of the EWF have been performed to commission the new plant and test the various processes and related operational controls. Currently, the plant is in a "mothball" or stand-by ready operating mode. It will remain in a stand-by mode until removal of the Elwha dams. After the dams are removed it is anticipated that the plant will be running on a continuous basis until river sediments are back to normal levels.

## **WATER DATA**

VWNA commenced operations of the EWF in April 2010. Receiving water data in the attached tables has been compiled from April through December. Note that in the month of April data table there were some instruments that required further calibration which may have resulted in data gaps.

The only month that a discharge or effluent through Out Fall 001 occurred was in December for a limited amount of time. Receiving water flow (CFS) was determined by subtracting water sent to End Users from the upstream flow in the river. Upstream river flow data was acquired from the USGS Gauging Station as McDonalds Bridge (USGS # 12045500).

Data tables are located in **Attachment 1**.

## **SUMMARY**

The Receiving Water Monitoring report has been submitted as required by Section 1, C, 3 of NPDES Permit #WA-002666-2. The report is the first annual report for the Elwha Water Facilities located on the Elwha River close to Port Angeles, Washington. Discharges from OutFall 001 were limited for the 2010 reporting period and only occurred in December.



## **ATTACHMENT A**

### **Data Tables, Receiving Water Monitoring**

# RECEIVING WATER MONITORING - ANNUAL REPORT FOR 2010

APRIL, 2010

| Tag #<br>Date | UPSTREAM                                 |                     |                             |                        | DIVERTED TO END USE   |                                | DOWNSTREAM             |            |                     |                      |       |                   |                     |
|---------------|--|---------------------|-----------------------------|------------------------|-----------------------|--------------------------------|------------------------|------------|---------------------|----------------------|-------|-------------------|---------------------|
|               | Influent Pump<br>Station Temp,<br>TT-100 | Intake<br>Turbidity | Influent Pump<br>Station pH | Upstream<br>River Flow | Total To<br>End Users | Rate Of<br>Flow<br>Diverted to | Down<br>Stream<br>Flow | TSS Year 1 | Turbidity<br>Year 1 | Settleable<br>Solids | Temp  | Fecal<br>coliform | Dissolved<br>Oxygen |
|               | 43                                       | 11                  | 46                          | 1                      | Calc                  | Calc                           | Calc                   | Grab       | Grab                | Grab                 | Grab  | Grab              | Grab                |
|               | Deg F                                    | NTU                 | SU                          | CFS                    | GPD                   | CFS                            | CFS                    | mg/L       | NTU                 | ml/L                 | Deg C | #/100 ml          | mg/L                |
| 4/1/2010      | 6.5                                      | 3.34                | 7.96                        | 1210                   |                       |                                | 1,210                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/2/2010      | 6.5                                      | 3.52                | 7.62                        | 1,030                  |                       |                                | 1,030                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/5/2010      | 6.5                                      | 4.47                | 7.79                        | 1,140                  |                       |                                | 1,140                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/6/2010      | 6.5                                      | 4.59                | 7.89                        | 1,070                  |                       |                                | 1,070                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/7/2010      | 6.5                                      | 4.80                | 7.87                        | 987                    |                       |                                | 987                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/8/2010      | 6.5                                      | 4.05                | 7.82                        | 1,250                  | 17,098                | 0.02645635                     | 1,250                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/9/2010      | 6.5                                      | 3.71                | 7.97                        | 1,040                  | 78,039                | 0.12075256                     | 1,040                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/12/2010     | 6.5                                      | 3.54                | 7.98                        | 945                    | 12,211,724            | 18.8956415                     | 926                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/13/2010     | 6.5                                      | 3.38                | 7.93                        | 843                    | 12,293,162            | 19.0216534                     | 824                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/14/2010     | 6.5                                      | 3.48                | 8.06                        | 897                    | 12,446,503            | 19.2589235                     | 878                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/15/2010     | 6.5                                      | 2.98                | 8.05                        | 929                    | 12,201,154            | 18.8792861                     | 910                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/16/2010     | 6.5                                      | 2.93                | 8.06                        | 897                    | 12,124,881            | 18.7612662                     | 878                    | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/19/2010     | 6.5                                      | 2.82                | 8.11                        | 1,800                  | 11,563,799            | 17.8930837                     | 1,782                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/20/2010     | 6.5                                      | 2.72                | 8.17                        | 2,470                  | 12,630,425            | 19.5435126                     | 2,450                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/21/2010     | 6.5                                      | 2.66                | 8.20                        | 2,280                  | 12,285,119            | 19.0092082                     | 2,261                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/22/2010     | 6.5                                      | 2.95                | 8.23                        | 1,930                  | 11,374,187            | 17.5996902                     | 1,912                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/23/2010     | 6.5                                      | 2.93                | 8.25                        | 1,700                  | 13,059,363            | 20.2072239                     | 1,680                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/26/2010     | 6.5                                      | 2.58                | 8.20                        | 1,090                  | 13,196,633            | 20.4196267                     | 1,070                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/27/2010     | 6.5                                      | 2.77                | 8.27                        | 2,080                  |                       |                                | 2,080                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/28/2010     | 6.5                                      | 2.50                | 8.40                        | 1,870                  | 12,638,825            | 19.5565103                     | 1,850                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/29/2010     | 6.5                                      | 2.42                | 8.45                        | 1,550                  | 29,488,026            | 45.6278873                     | 1,504                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 4/30/2010     | 6.5                                      | 2.08                | 8.55                        | 1,430                  | 27,556,566            | 42.6392695                     | 1,387                  | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| Minimum       | 6.5                                      | 2.08                | 7.62                        | 843                    | 17098                 | 0                              | 824                    |            |                     |                      |       |                   |                     |
| Maximum       | 6.5                                      | 4.8                 | 8.55                        | 2470                   | 29488026              | 46                             | 2,450                  |            |                     |                      |       |                   |                     |
| Average       | 6.5                                      | 3.24                | 8.08                        | 1384                   | 12822844              | 20                             | 1,369                  |            |                     |                      |       |                   |                     |

Notes: 1) ND/NT denotes no discharge from outfall 001, thus no effluent and no test (Reference NPDES, 1,C,3)

2) River flows(upstream) are obtained from USGS Sta # 12045500 at McDonalds Bridge; Down stream flows are calculated by subtracting diverted flows to End Users

3) Operations in April were to finalize testing and contractor substantial completion. A number of meters and other instruments required further calibration.

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|           | UPSTREAM              |                  |                          |                     | DIVERTED TO END USER |                       | DOWNSTREAM OF DISCHARGE (001) |            |                  |                   |       |                |                  |
|-----------|-----------------------|------------------|--------------------------|---------------------|----------------------|-----------------------|-------------------------------|------------|------------------|-------------------|-------|----------------|------------------|
|           | Influent Pump Station | Intake Turbidity | Influent Pump Station pH | Upstream River Flow | Total Diverted       | Rate of diverted Flow | Down Stream Flow Rate         | TSS Year 1 | Turbidity Year 1 | Settleable Solids | Temp  | Fecal coliform | Dissolved Oxygen |
| Tag #     | 44                    | 11               | 46                       | 1                   | Calc                 | Calc                  | Calc                          | Grab       | Grab             | Grab              | Grab  | Grab           | Grab             |
| Date      | Deg C                 | NTU              | SU                       | CFS                 | GPD                  | CFS                   | CFS                           | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L             |
| 5/3/2010  | 6.5                   | 2.37             | 8.60                     | 2,180               | 29,753,736           | 46.0                  | 2,134                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/4/2010  | 7.9                   | 2.20             | 7.90                     | 1,650               | 30,538,084           | 47.3                  | 1,603                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/5/2010  | 7.9                   | 2.07             | 7.90                     | 1,470               | 28,015,002           | 43.3                  | 1,427                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/6/2010  | 7.7                   | 2.11             | 7.95                     | 1,310               | 28,130,540           | 43.5                  | 1,266                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/7/2010  | 7.3                   | 1.87             | 7.88                     | 1,190               | 29,765,881           | 46.1                  | 1,144                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/10/2010 | 7.9                   | 2.12             | 8.03                     | 1,270               | 57,130,723           | 88.4                  | 1,182                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/11/2010 | 8.2                   | 1.63             | 8.00                     | 1,140               | 28,523,370           | 44.1                  | 1,096                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/12/2010 | 8.3                   | 1.71             | 8.15                     | 1,280               | 25,915,400           | 40.1                  | 1,240                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/13/2010 | 8.7                   | 1.54             | 8.40                     | 1,280               | 25,322,090           | 39.2                  | 1,241                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/14/2010 | 8.9                   | 1.54             | 8.55                     | 1,490               | 26,183,379           | 40.5                  | 1,449                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/17/2010 | 9.5                   | 1.62             | 8.24                     | 1,980               | 74,785,065           | 115.7                 | 1,864                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/18/2010 | 9.3                   | 1.86             | 8.12                     | 2,220               | 24,950,094           | 38.6                  | 2,181                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/19/2010 | 9.3                   | 2.02             | 8.39                     | 2,320               | 25,763,764           | 39.9                  | 2,280                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/20/2010 | 9.2                   | 2.36             | 8.08                     | 2,850               | 21,885,412           | 33.9                  | 2,816                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/21/2010 | 9.3                   | 2.33             | 7.46                     | 2,040               | 26,466,978           | 41.0                  | 1,999                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/24/2010 | 8.5                   | 3.09             | 8.50                     | 1,540               | 50,817,100           | 78.6                  | 1,461                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/25/2010 | 9.1                   | 2.95             | 8.51                     | 1,410               | 25,595,196           | 39.6                  | 1,370                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/26/2010 | 8.9                   | 2.85             | 8.58                     | 1,620               | 26,948,081           | 41.7                  | 1,578                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/27/2010 | 8.8                   | 2.38             | 8.80                     | 1,760               | 25,766,061           | 39.9                  | 1,720                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 5/28/2010 | 8.8                   | 2.38             | 7.50                     | 1,760               | 25,766,061           | 39.9                  | 1,720                         | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| Minimum   | 6.5                   | 1.5              | 7.5                      | 1,140               | 21,885,412           | 33.9                  | 1,096                         |            |                  |                   |       |                |                  |
| Maximum   | 9.5                   | 3.1              | 8.8                      | 2,850               | 74,785,065           | 115.7                 | 2,816                         |            |                  |                   |       |                |                  |
| Average   | 8.5                   | 2.2              | 8.2                      | 1,688               | 31,901,101           | 49.4                  | 1,639                         |            |                  |                   |       |                |                  |

Notes: 1) ND/NT denotes no discharge from outfall 001, thus no effluent and no test (Reference NPDES, 1,C,3)

2) River flows(upstream) are obtained from USGS Sta # 12045500 at McDonalds Bridge; Down stream flows are calculated by subtracting diverted flows to End Users



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|           | UPSTREAM                          |                  |                                  |                     | DIVERTED TO END USERS |                                    | DOWNSTREAM       |            |                  |                   |       |                |                 |
|-----------|-----------------------------------|------------------|----------------------------------|---------------------|-----------------------|------------------------------------|------------------|------------|------------------|-------------------|-------|----------------|-----------------|
|           | Influent Pump Station<br>Temp TT- | Intake Turbidity | Influent Pump Station pH, AT-101 | Upstream River Flow | Total To End Users    | Rate Of Flow Diverted to End Users | Down Stream Flow | TSS Year 1 | Turbidity Year 1 | Settleable Solids | Temp  | Fecal coliform | Disolved Oxygen |
| Tag #     | 43                                | 11               | 46                               | 1                   | Calc                  | Calc                               | Calc             | Grab       | Grab             | Grab              | Grab  | Grab           | Grab            |
| Date      | Deg C                             | NTU              | SU                               | CFS                 | GPD                   | CFS                                | CFS              | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L            |
| 6/1/2010  | 8.5                               | 2.50             | 8.03                             | 2,470               | 68,194,575            | 105.5                              | 2,364            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/2/2010  | 8.7                               | 2.67             | 8.08                             | 2,080               | 26,324,477            | 40.7                               | 2,039            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/3/2010  | 8.6                               | 3.29             | 7.90                             | 3,010               | 25,797,372            | 39.9                               | 2,970            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/4/2010  | 8.5                               | 3.51             | 7.89                             | 2,360               | 26,950,823            | 41.7                               | 2,318            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/7/2010  | 8.9                               | 4.91             | 8.08                             | 2,250               | 40,936,724            | 63.3                               | 2,187            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/8/2010  | 8.9                               | 5.02             | 8.46                             | 2,400               | 17,399,617            | 26.9                               | 2,373            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/9/2010  | 9.2                               | 4.67             | 8.21                             | 2,380               | 15,801,004            | 24.4                               | 2,356            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/10/2010 | 9.6                               | 4.37             | 8.26                             | 2,470               | 12,167,163            | 18.8                               | 2,451            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/11/2010 | 10.9                              | 4.41             | 8.24                             | 2,210               | 13,439,012            | 20.8                               | 2,189            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/14/2010 | 12.4                              | 4.07             | 8.06                             | 2,860               | 38,927,107            | 60.2                               | 2,800            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/15/2010 | 12.7                              | 4.20             | 8.39                             | 2,200               | 13,212,648            | 20.4                               | 2,180            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/16/2010 | 13.1                              | 4.07             | 8.40                             | 2,070               | 13,906,530            | 21.5                               | 2,048            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/17/2010 | 13.4                              | 3.77             | 8.33                             | 1,980               | 14,967,350            | 23.2                               | 1,957            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/18/2010 | 13.2                              | 7.74             | 8.30                             | 2,000               | 13,120,030            | 20.3                               | 1,980            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/21/2010 | 10.8                              | 3.46             | 8.72                             | 2,570               | 42,887,048            | 66.4                               | 2,504            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/22/2010 | 10.7                              | 3.34             | 8.32                             | 2,500               | 15,120,348            | 23.4                               | 2,477            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/23/2010 | 10.4                              | 3.20             | 8.32                             | 2,510               | 14,367,236            | 22.2                               | 2,488            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/24/2010 | 10.7                              | 3.30             | 8.30                             | 2,770               | 14,296,329            | 22.1                               | 2,748            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/25/2010 | 10.8                              | 3.09             | 8.32                             | 2,800               | 14,333,470            | 22.2                               | 2,778            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/28/2010 | 10.7                              | 4.37             | 8.36                             | 2,700               | 43,141,668            | 66.8                               | 2,633            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/29/2010 | 10.5                              | 4.06             | 8.20                             | 2,600               | 13,497,373            | 20.9                               | 2,579            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 6/30/2010 | 10.2                              | 4.11             | 8.40                             | 2,080               | 14,021,825            | 21.7                               | 2,058            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| Minimum   | 8.5                               | 2.5              | 7.9                              | 1,980.0             | 12,167,163.0          | 18.8                               | 1,956.8          |            |                  |                   |       |                |                 |
| Maximum   | 13.4                              | 7.7              | 8.7                              | 3,010.0             | 68,194,575.0          | 105.5                              | 2,970.1          |            |                  |                   |       |                |                 |
| Average   | 10.5                              | 4.0              | 8.3                              | 2,421.4             | 23,309,533.1          | 36.1                               | 2,385.3          |            |                  |                   |       |                |                 |

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|           | UPSTREAM                        |                  |                          |                     | DIVERTED TO END USERS     |                       | DOWNSTREAM            |            |                  |                   |       |                |                 |
|-----------|---------------------------------|------------------|--------------------------|---------------------|---------------------------|-----------------------|-----------------------|------------|------------------|-------------------|-------|----------------|-----------------|
|           | Influent Pump Station Temp. TT- | Intake Turbidity | Influent Pump Station pH | Upstream River Flow | Total to Downstream Users | Rate of Diverted Flow | Down Stream Flow Rate | TSS Year 1 | Turbidity Year 1 | Settleable solids | Temp  | Fecal coliform | Disolved Oxygen |
| Tag #     | 44                              | 11               | 46                       | 1                   | Calc                      | Calc                  | Calc                  | Grab       | Grab             | Grab              | Grab  | Grab           | Grab            |
| Date      | Deg C                           | NTU              | SU                       | CFS                 | gpd                       | cfs                   | cfs                   | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L            |
| 7/1/2010  | 10.2                            | 3.90             | 8.28                     | 1,870               | 13,261,321                | 20.5                  | 1,849                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/2/2010  | 10.0                            | 3.80             | 8.27                     | 1,810               | 13,663,290                | 21.1                  | 1,789                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/6/2010  | 10.3                            | 2.65             | 8.41                     | 1,770               | 55,983,346                | 86.6                  | 1,683                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/7/2010  | 12.0                            | 2.85             | 7.96                     | 2,160               | 14,156,906                | 21.9                  | 2,138                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/8/2010  | 11.3                            | 2.34             | 8.42                     | 2,430               | 13,341,802                | 20.6                  | 2,409                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/9/2010  | 11.6                            | 2.71             | 8.43                     | 2,610               | 13,287,889                | 20.6                  | 2,589                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/12/2010 | 12.0                            | 4.36             | 8.51                     | 2,770               | 51,910,879                | 80.3                  | 2,690                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/13/2010 | 11.8                            | 4.75             | 8.51                     | 2,070               | 12,670,092                | 19.6                  | 2,050                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/14/2010 | 11.9                            | 4.82             | 8.61                     | 1,940               | 14,001,132                | 21.7                  | 1,918                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/15/2010 | 12.0                            | 4.79             | 7.81                     | 1,970               | 7,625,643                 | 11.8                  | 1,958                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/16/2010 | 11.9                            | 5.23             | 7.79                     | 2,150               | 12,390,119                | 19.2                  | 2,131                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/19/2010 | 12.2                            | 3.91             | 8.57                     | 1,880               | 48,374,451                | 74.9                  | 1,805                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/20/2010 | 12.1                            | 3.69             | 8.48                     | 1,970               | 11,589,680                | 17.9                  | 1,952                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/21/2010 | 12.2                            | 3.32             | 8.47                     | 1,740               | 12,546                    | 0.0                   | 1,740                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/22/2010 | 12.3                            | 3.63             | 8.65                     | 1,910               | 12,024,675                | 18.6                  | 1,891                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/23/2010 | 12.6                            | 3.05             | 8.58                     | 1,920               | 13,371,268                | 20.7                  | 1,899                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/26/2010 | 15.0                            | 2.49             | 8.54                     | 1,820               | 33,399,210                | 51.7                  | 1,768                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/27/2010 | 13.3                            | 2.43             | 8.75                     | 1,810               | 9,913,531                 | 15.3                  | 1,795                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/28/2010 | 13.2                            | 2.15             | 8.57                     | 1,590               | 8,857,822                 | 13.7                  | 1,576                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/29/2010 | 13.2                            | 2.79             | 8.72                     | 1,560               | 9,056,343                 | 14.0                  | 1,546                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 7/30/2010 | 13.3                            | 2.19             | 8.50                     | 1,490               | 7,534,664                 | 11.7                  | 1,478                 | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| Minimum   | 10.0                            | 2.2              | 7.8                      | 1,490.0             | 12,546.0                  | 0.0                   | 1,478.3               |            |                  |                   |       |                |                 |
| Maximum   | 15.0                            | 5.2              | 8.8                      | 2,770.0             | 55,983,346.0              | 86.6                  | 2,689.7               |            |                  |                   |       |                |                 |
| Average   | 12.1                            | 3.4              | 8.4                      | 1,963.8             | 17,925,076.6              | 27.7                  | 1,936.1               |            |                  |                   |       |                |                 |

Notes: 1) ND/NT denotes no discharge from outfall 001, thus no effluent and no test (Reference NPDES, 1,C,3)

2) River flows(upstream) are obtained from USGS Sta # 12045500 at McDonalds Bridge; Down stream flows are calculated by subtracting diverted flows to End Users



# **RECEIVING WATER MONITORING - ANNUAL REPORT FOR 2010** **AUGUST, 2010**

|           | UPSTREAM                        |                  |                                  |                     | DIVERTED TO END USERS |                       | DOWNSTREAM       |            |                  |                   |       |                |                  |
|-----------|---------------------------------|------------------|----------------------------------|---------------------|-----------------------|-----------------------|------------------|------------|------------------|-------------------|-------|----------------|------------------|
|           | Influent Pump Station Temp, TT- | Intake Turbidity | Influent Pump Station pH, AT-101 | Upstream River Flow | Total to End Users    | Rate of Flow Diverted | Down Stream flow | TSS Year 1 | Turbidity Year 1 | Settleable solids | Temp  | Fecal coliform | Dissolved Oxygen |
| Tag #     | 44                              | 11               | 46                               | 1                   | Calc                  | Calc                  | Calc             | Grab       | Grab             | Grab              | Grab  | Grab           | Grab             |
| Date      | Deg C                           | NTU              | SU                               | CFS                 | gpd                   | cfs                   | cfs              | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L             |
| 8/2/2010  | 13.3                            | 1.95             | 8.42                             | 1,290               | 6,821,875             | 10.6                  | 1,279            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/3/2010  | 13.3                            | 1.97             | 8.39                             | 1,290               | 8,092,852             | 12.5                  | 1,277            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/4/2010  | 13.6                            | 1.42             | 8.59                             | 1,230               | 9,989,459             | 15.5                  | 1,215            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/5/2010  | 13.8                            | 0.40             | 8.55                             | 1,280               | 9,466,075             | 14.6                  | 1,265            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/6/2010  | 14.0                            | 1.18             | 8.80                             | 1,290               | 10,436,180            | 16.1                  | 1,274            | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/9/2010  | 13.5                            | 1.20             | 8.56                             | 1,040               | 27,376,480            | 42.4                  | 998              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/10/2010 | 13.4                            | 1.30             | 8.35                             | 953                 | 9,103,476             | 14.1                  | 939              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/11/2010 | 13.7                            | 1.04             | 8.87                             | 913                 | 8,559,682             | 13.2                  | 900              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/12/2010 | 13.7                            | 1.02             | 8.84                             | 874                 | 21,434,582            | 33.2                  | 841              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/13/2010 | 14.4                            | 0.95             | 9.29                             | 961                 | 23,507,359            | 36.4                  | 925              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/16/2010 | 14.8                            | 1.05             | 8.81                             | 882                 | 21,704,222            | 33.6                  | 848              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/17/2010 | 14.7                            | 0.90             | 8.77                             | 921                 | 19,457,506            | 30.1                  | 891              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/18/2010 | 14.7                            | 0.85             | 8.67                             | 874                 | 18,615,778            | 28.8                  | 845              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/19/2010 | 14.6                            | 0.93             | 8.68                             | 790                 | 18,690,003            | 28.9                  | 761              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/20/2010 | 14.2                            | 0.83             | 8.73                             | 739                 | 16,855,419            | 26.1                  | 713              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/23/2010 | 14.3                            | 0.96             | 8.78                             | 648                 | 20,218,354            | 31.3                  | 617              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/24/2010 | 14.3                            | 0.62             | 8.78                             | 608                 | 19,672,121            | 30.4                  | 578              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/25/2010 | 14.7                            | 0.73             | 8.77                             | 608                 | 21,267,462            | 32.9                  | 575              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/26/2010 | 15.0                            | 0.64             | 7.45                             | 648                 | 19,603,096            | 30.3                  | 618              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/27/2010 | 14.8                            | 0.68             | 7.37                             | 634                 | 18,604,453            | 28.8                  | 605              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/30/2010 | 14.2                            | 0.67             | 9.30                             | 537                 | 19,596,210            | 30.3                  | 507              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 8/31/2010 | 14.1                            | 0.63             | 8.77                             | 506                 | 18,328,668            | 28.4                  | 478              | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| Minimum   | 13.3                            | 0.4              | 7.4                              | 506.0               | 6,821,875.0           | 10.6                  | 477.6            |            |                  |                   |       |                |                  |
| Maximum   | 15.0                            | 2.0              | 9.3                              | 1,290.0             | 27,376,480.0          | 42.4                  | 1,279.4          |            |                  |                   |       |                |                  |
| Average   | 14.1                            | 1.0              | 8.6                              | 887.1               | 16,700,059.6          | 25.8                  | 861.3            |            |                  |                   |       |                |                  |

Notes: 1) ND/NT denotes no discharge from outfall 001, thus no effluent and no test (Reference NPDES, 1,C,3)

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**RECEIVING WATER MONITORING - ANNUAL REPORT FOR 2010**  
SEPTEMBER, 2010

|           | UPSTREAM              |                  |                          |                     | DIVERTED TO END USERS |                       | DOWNSTREAM      |            |                  |                   |       |                |                  |
|-----------|-----------------------|------------------|--------------------------|---------------------|-----------------------|-----------------------|-----------------|------------|------------------|-------------------|-------|----------------|------------------|
|           | Influent Pump Station | Intake Turbidity | Influent Pump Station pH | Upstream River Flow | Total diverted        | Rate of diverted flow | Downstream Flow | TSS Year 1 | Turbidity Year 1 | Settleable solids | Temp  | Fecal coliform | Dissolved Oxygen |
| Tag #     | 44                    | 11               | 46                       | 1                   | CALC                  | CALC                  | CALC            | Grab       | Grab             | Grab              | Grab  | Grab           | Grab             |
| Date      | Deg C                 | NTU              | SU                       | CFS                 | GPD                   | CFS                   | CFS             | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L             |
| 9/1/2010  | 13.6                  | 0.74             | 8.79                     | 970                 | 18,089,659            | 28                    | 942             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/2/2010  | 13.8                  | 0.58             | 8.87                     | 550                 | 21,040,623            | 33                    | 517             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/3/2010  | 13.9                  | 0.61             | 8.79                     | 537                 | 16,407,200            | 25                    | 512             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/7/2010  | 13.8                  | 0.95             | 8.62                     | 682                 | 17,442,953            | 27                    | 655             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/8/2010  | 13.7                  | 0.78             | 8.85                     | 682                 | 21,844,413            | 34                    | 648             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/9/2010  | 13.7                  | 0.83             | 8.82                     | 628                 | 20,703,507            | 32                    | 596             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/10/2010 | 13.7                  | 0.73             | 8.97                     | 628                 | 20,697,092            | 32                    | 596             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/13/2010 | 13.2                  | 0.84             | 8.58                     | 760                 | 19,239,170            | 30                    | 730             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/14/2010 | 13.1                  | 1.13             | 8.75                     | 550                 | 20,053,089            | 31                    | 519             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/15/2010 | 13.3                  | 1.04             | 8.78                     | 465                 | 22,259,000            | 34                    | 431             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/16/2010 | 13.4                  | 0.60             | 8.92                     | 465                 | 21,553,000            | 33                    | 432             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/17/2010 | 13.4                  | 0.99             | 8.67                     | 569                 | 21,495,000            | 33                    | 536             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/20/2010 | 13.3                  | 0.94             | 8.74                     | 1,260               | 22,145,000            | 34                    | 1,226           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/21/2010 | 13.2                  | 0.98             | 8.80                     | 828                 | 20,493,000            | 32                    | 796             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/22/2010 | 12.9                  | 0.98             | 8.72                     | 594                 | 21,448,000            | 33                    | 561             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/23/2010 | 12.9                  | 1.09             | 8.85                     | 550                 | 19,313,000            | 30                    | 520             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/24/2010 | 12.8                  | 1.68             | 8.61                     | 1,190               | 23,118,000            | 36                    | 1,154           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/27/2010 | 12.7                  | 1.85             | 8.94                     | 897                 | 23,061,666            | 36                    | 861             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/28/2010 | 12.5                  | 2.45             | 8.65                     | 1,190               | 23,911,000            | 37                    | 1,153           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/29/2010 | 12.6                  | 2.18             | 8.70                     | 1,020               | 23,089,000            | 36                    | 984             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 9/30/2010 | 12.4                  | 1.83             | 8.74                     | 1,050               | 24,371,000            | 38                    | 1,012           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| Minimum   | 12.4                  | 0.6              | 8.6                      | 465.0               | 16,407,200.0          | 25.4                  | 430.6           |            |                  |                   |       |                |                  |
| Maximum   | 13.9                  | 2.5              | 9.0                      | 1,260.0             | 24,371,000.0          | 37.7                  | 1,225.7         |            |                  |                   |       |                |                  |
| Average   | 13.2                  | 1.1              | 8.8                      | 765.0               | 21,036,874.9          | 32.6                  | 732.4           |            |                  |                   |       |                |                  |

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2) River flows(upstream) are obtained from USGS Sta # 12045500 at McDonalds Bridge; Down stream flows are calculated by subtracting diverted flows to End Users

# RECEIVING WATER MONITORING - ANNUAL REPORT FOR 2010

OCTOBER, 2010

|            | UPSTREAM              |                  |                          |                     | DIVERTED TO END USERS |                       | DOWNSTREAM      |            |                  |                   |       |                |                  |
|------------|-----------------------|------------------|--------------------------|---------------------|-----------------------|-----------------------|-----------------|------------|------------------|-------------------|-------|----------------|------------------|
|            | Influent Pump Station | Intake Turbidity | Influent Pump Station pH | Upstream River Flow | Total diverted        | Rate of diverted flow | Downstream Flow | TSS Year 1 | Turbidity Year 1 | Settleable solids | Temp  | Fecal coliform | Dissolved Oxygen |
| Tag #      | 44                    | 11               | 46                       | 1                   | CALC                  | CALC                  | CALC            | Grab       | Grab             | Grab              | Grab  | Grab           | Grab             |
| Date       | Deg C                 | NTU              | SU                       | CFS                 | GPD                   | CFS                   | CFS             | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L             |
| 10/1/2010  | 12.6                  | 2.00             | 8.65                     | 641                 | 22,562,332            | 34.9                  | 606             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/4/2010  | 12.3                  | 1.92             | 8.79                     | 531                 | 28,310,200            | 43.8                  | 487             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/5/2010  | 12.0                  | 1.95             | 8.16                     | 506                 | 30,119,000            | 46.6                  | 459             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/6/2010  | 12.0                  | 1.82             | 8.72                     | 500                 | 28,872,000            | 44.7                  | 455             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/7/2010  | 11.8                  | 1.76             | 8.65                     | 453                 | 29,208,000            | 45.2                  | 408             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/8/2010  | 11.8                  | 1.68             | 8.65                     | 453                 | 25,729,666            | 39.8                  | 413             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/11/2010 | 11.5                  | 2.28             | 8.70                     | 1,100               | 25,375,000            | 39.3                  | 1,061           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/12/2010 | 11.4                  | 6.45             | 8.37                     | 768                 | 24,237,000            | 37.5                  | 730             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/13/2010 | 11.2                  | 6.40             | 8.74                     | 703                 | 27,064,000            | 41.9                  | 661             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/14/2010 | -17.8                 | 7.13             | 0.00                     | 519                 | 28,149,000            | 43.6                  | 475             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/15/2010 | 10.9                  |                  | 8.95                     | 519                 | 25,784,999            | 39.9                  | 479             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/18/2010 | 10.2                  | 5.92             | 7.04                     | 494                 | 28,246,000            | 43.7                  | 450             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/19/2010 | 10.0                  | 5.51             | 7.07                     | 494                 | 26,886,560            | 41.6                  | 452             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/20/2010 | 9.9                   | 4.64             | 7.02                     | 494                 | 27,691,000            | 42.8                  | 451             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/21/2010 | 9.7                   | 4.55             | 7.16                     | 717                 | 25,119,000            | 38.9                  | 678             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/22/2010 | 9.6                   | 4.31             | 7.07                     | 753                 | 26,582,000            | 41.1                  | 712             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/25/2010 | 9.7                   | 4.13             | 6.90                     | 1,900               | 26,545,000            | 41.1                  | 1,859           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/26/2010 | 9.3                   | 7.65             | 7.10                     | 2,730               | 27,963,000            | 43.3                  | 2,687           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/27/2010 | 8.9                   | 11.70            | 6.90                     | 2,220               | 26,803,000            | 41.5                  | 2,179           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/28/2010 | 8.7                   | 13.46            | 6.83                     | 1,580               | 26,360,000            | 40.8                  | 1,539           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| 10/29/2010 | 8.5                   | 16.40            | 7.00                     | 1,390               | 26,150,333            | 40.5                  | 1,350           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT            |
| Minimum    | -17.8                 | 1.7              | 0.0                      | 453.0               | 22,562,332.0          | 34.9                  | 407.8           |            |                  |                   |       |                |                  |
| Maximum    | 12.6                  | 16.4             | 9.0                      | 2,730.0             | 30,119,000.0          | 46.6                  | 2,686.7         |            |                  |                   |       |                |                  |
| Average    | 9.2                   | 5.6              | 7.5                      | 926.9               | 26,845,575.7          | 41.5                  | 885.4           |            |                  |                   |       |                |                  |

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# RECEIVING WATER MONITORING - ANNUAL REPORT FOR 2010

NOVEMBER 2010

|            | UPSTREAM                      |                     |                                |                        | DIVERTED TO END USERS |                             | DOWNSTREAM         |            |                     |                      |       |                   |                     |
|------------|-------------------------------|---------------------|--------------------------------|------------------------|-----------------------|-----------------------------|--------------------|------------|---------------------|----------------------|-------|-------------------|---------------------|
|            | Influent/Up<br>stream<br>Temp | Intake<br>Turbidity | Influent<br>Pump<br>Station pH | Upstream<br>River Flow | Total<br>diverted     | Rate of<br>diverted<br>flow | Downstream<br>Flow | TSS Year 1 | Turbidity<br>Year 1 | Settleable<br>solids | Temp  | Fecal<br>coliform | Dissolved<br>Oxygen |
| Tag #      | CALC                          | 11                  | 46                             | Note 2                 | CALC                  | CALC                        | CALC               | Grab       | Grab                | Grab                 | Grab  | Grab              | Grab                |
| Date       | Deg C                         | NTU                 | SU                             | CFS                    | GPD                   | CFS                         | CFS                | mg/L       | NTU                 | ml/L                 | Deg C | #/100 ml          | mg/L                |
| 11/1/2010  | 8.0                           | 18.60               | 6.76                           | 1,320                  | 26,150,333            | 40.5                        | 1,280              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/2/2010  | 7.8                           | 31.50               | 7.12                           | 3,790                  | 27,019,000            | 41.8                        | 3,748              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/3/2010  | 7.6                           | 50.00               | 7.05                           | 2,270                  | 25,026,428            | 38.7                        | 2,231              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/4/2010  | 7.4                           | 59.00               | 7.01                           | 2,040                  | 32,668,000            | 50.5                        | 1,989              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/5/2010  | 7.5                           | 59.10               | 6.99                           | 1,920                  | 32,693,000            | 50.6                        | 1,869              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/8/2010  | 7.2                           | 45.70               | 6.95                           | 1,820                  | 12,883,333            | 19.9                        | 1,800              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/9/2010  | 7.1                           | 41.70               | 6.99                           | 1,440                  | 12,733,000            | 19.7                        | 1,420              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/10/2010 | 7.1                           | 37.00               | 7.00                           | 1,390                  | 30,308,000            | 46.9                        | 1,343              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/11/2010 | 6.9                           | 33.80               | 7.00                           | 1,110                  | 26,791,000            | 41.5                        | 1,069              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/12/2010 | 6.8                           | 33.00               | 6.98                           | 1,240                  | 13,021,000            | 20.1                        | 1,220              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/15/2010 | 6.6                           | 20.50               | 6.99                           | 1,360                  | 13,950,999            | 21.6                        | 1,338              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/16/2010 | 6.7                           | 18.00               | 7.03                           | 1,800                  | 13,401,000            | 20.7                        | 1,779              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/17/2010 | 6.1                           | 15.70               | 7.04                           | 1,580                  | 15,222,442            | 23.6                        | 1,556              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/18/2010 | 6.7                           | 7.03                | 6.84                           | 1,660                  | 9,606,000             | 14.9                        | 1,645              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/19/2010 | 6.5                           | 14.10               | 6.97                           | 1,280                  | 11,917,000            | 18.4                        | 1,262              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/22/2010 | 5.0                           | 12.60               | 6.99                           | 1,050                  | 12,139,666            | 18.8                        | 1,031              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/23/2010 | 0.0                           | 11.90               | 7.08                           | 945                    | 11,216,810            | 17.4                        | 928                | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/24/2010 | 4.5                           | 11.00               | 7.06                           | 874                    | 18,754,506            | 29.0                        | 845                | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/29/2010 | 3.4                           | 8.01                | 6.70                           | 820                    | 19,476,000            | 30.1                        | 790                | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| 11/30/2010 | 3.5                           | 7.69                | 6.64                           | 1,110                  | 20,194,000            | 31.2                        | 1,079              | ND/NT      | ND/NT               | ND/NT                | ND/NT | ND/NT             | ND/NT               |
| Minimum    | 0.0                           | 7.0                 | 6.6                            | 820.0                  | 9,606,000.0           | 14.9                        | 789.9              |            |                     |                      |       |                   |                     |
| Maximum    | 8.0                           | 59.1                | 7.1                            | 3,790.0                | 32,693,000.0          | 50.6                        | 3,748.2            |            |                     |                      |       |                   |                     |
| Average    | 6.1                           | 26.8                | 7.0                            | 1,541.0                | 19,258,575.9          | 29.8                        | 1,511.2            |            |                     |                      |       |                   |                     |

Notes: 1) ND/NT denotes no discharge from outfall 001, thus no effluent and no test (Reference NPDES, 1,C,3)

2) River flows(upstream) are obtained from USGS Sta # 12045500 at McDonalds Bridge; Down stream flows are calculated by subtracting diverted flows to End Users



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|            | UPSTREAM                    |                  |                                  |                     | DIVERTED TO END USERS |                       | DOWNSTREAM      |            |                  |                   |       |                |                 |
|------------|-----------------------------|------------------|----------------------------------|---------------------|-----------------------|-----------------------|-----------------|------------|------------------|-------------------|-------|----------------|-----------------|
|            | Influent Pump Station Temp, | Intake Turbidity | Influent Pump Station pH, AT-101 | Upstream River Flow | Total diverted        | Rate of diverted flow | Downstream Flow | TSS Year 1 | Turbidity Year 1 | Settleable solids | Temp  | Fecal coliform | Disolved Oxygen |
| Tag #      |                             | 11               | 46                               | 1                   | CALC                  | CALC                  | CALC            | Grab       | Grab             | Grab              | Grab  | Grab           | Grab            |
| Date       | deg C                       | NTU              | SU                               | CFS                 | GPD                   | CFS                   | CFS             | mg/L       | NTU              | ml/L              | Deg C | #/100 ml       | mg/L            |
| 12/1/2010  | 3.4                         | 7.01             | 6.88                             | 1,550               | 19,405,000            | 30.0                  | 1,520           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/2/2010  | 3.5                         | 7.03             | 7.10                             | 1,180               | 19,919,000            | 30.8                  | 1,149           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/3/2010  | 3.7                         | 6.69             | 6.95                             | 1,060               | 20,165,000            | 31.2                  | 1,029           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/6/2010  | 3.7                         | 6.32             | 7.06                             | 866                 | 21,194,333            | 32.8                  | 833             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/7/2010  | 3.7                         | 6.13             | 7.02                             | 961                 | 20,701,000            | 32.0                  | 929             | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/8/2010  | 3.8                         | 5.48             | 7.10                             | 1,320               | 24,205,000            | 37.5                  | 1,283           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/9/2010  | 4.1                         | 8.26             | 7.16                             | 3,900               | 17,800,000            | 27.5                  | 3,872           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/10/2010 | 4.4                         | 12.40            | 7.15                             | 3,300               | 21,284,000            | 32.9                  | 3,267           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/13/2010 | 5.1                         | 522.00           | 6.90                             | 10,800              | 21,501,333            | 33.3                  | 10,767          | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/14/2010 | 5.2                         | 402.00           | 6.96                             | 6,360               | 21,834,000            | 33.8                  | 6,326           |            |                  |                   |       |                |                 |
| 12/15/2010 | 5.1                         | 309.00           | 7.00                             | 4,260               | 21,149,000            | 32.7                  | 4,227           | 179.5      | 204              | 39                | 4.9   |                | 13.87           |
| 12/16/2010 | 4.9                         | 202.00           | 7.04                             | 3,320               | 20,727,000            | 32.1                  | 3,288           |            |                  |                   |       |                |                 |
| 12/17/2010 | 4.8                         | 170.00           | 7.07                             | 2,650               | 21,242,000            | 32.9                  | 2,617           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/20/2010 | 4.6                         | 86.00            | 7.13                             | 1,900               | 22,132,666            | 34.2                  | 1,866           | ND/NT      | ND/NT            | ND/NT             | ND/NT | 1              |                 |
| 12/21/2010 | 4.4                         | 76.00            | 7.13                             | 1,830               | 21,084,000            | 32.6                  | 1,797           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/22/2010 | 4.4                         | 62.00            | 7.48                             | 1,750               | 19,551,000            | 30.3                  | 1,720           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/23/2010 | 4.5                         | 52.00            | 7.55                             | 1,650               | 20,135,000            | 31.2                  | 1,619           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/27/2010 | 4.9                         | 45.00            | 7.60                             | 2,610               | 19,807,000            | 30.6                  | 2,579           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/28/2010 | 5.0                         | 40.00            | 7.60                             | 2,520               | 19,985,000            | 30.9                  | 2,489           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| 12/29/2010 | 4.8                         | 39.00            | 7.63                             | 2,050               | 19,812,000            | 30.7                  | 2,019           | ND/NT      | ND/NT            | ND/NT             | ND/NT | 2              |                 |
| 12/30/2010 | 4.5                         | 31.00            | 7.60                             | 1,860               | 20,480,000            | 31.7                  | 1,828           | ND/NT      | ND/NT            | ND/NT             | ND/NT | ND/NT          | ND/NT           |
| Minimum    | 3.4                         | 5.5              | 6.9                              | 866.0               | 17,800,000.0          | 27.5                  | 833.2           | 179.5      | 204.0            | 39.0              | 4.9   | 1.0            | 13.9            |
| Maximum    | 5.2                         | 522.0            | 7.6                              | 10,800.0            | 24,205,000.0          | 37.5                  | 10,766.7        | 179.5      | 204.0            | 39.0              | 4.9   | 2.0            | 13.9            |
| Average    | 4.4                         | 99.8             | 7.2                              | 2,747.5             | 20,672,063.4          | 32.0                  | 2,715.5         | 179.5      | 204.0            | 39.0              | 4.9   | 1.5            | 13.9            |

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3) Discharged slurry in test mode week of Dec 14,15, 16, approx 48 hours total discharge time at OF 001.